Actiontec™

USB Home DSL Modem

User Manual

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Introduction 1

Thank you for purchasing the *Action*tec USB Home DSL Modem. The Modem provides connection speeds up to 125 times faster than a standard 56K modem. This easy-to-set-up, easy-to-use product is perfect for the home computer user. If you want to dramatically accelerate your Internet connection and take your computing to the next level, the *Action*tec USB Home DSL Modem is one of the keys to your success.

Package Contents

- *Action*tec USB Home DSL Modem
- Power adapter
- DSL cable
- USB cable
- Phone filters
- Installation CD (includes user manual)
- Quick start guide
- Warranty and registration card

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Minimum System Requirements

- Active DSL service
- Computer with a USB connection
- Microsoft Windows 98, Windows 98 Second Edition (SE), Windows Millennium Edition (Me), Windows 2000, Windows XP
- Internet Explorer 4.0 or higher (5.x recommended) or Netscape Navigator 4.0 or higher (4.7 recommended)

Technical Support

*Action*tec Electronics prides itself on making durable, high-quality, high-performance products. If you need assistance, the *Action*tec Technical Support Department is available 24 hours a day, every day, to provide professional support.

Actiontec Electronics, Inc.

760 N. Mary Avenue
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Technical Support

Phone: 888.436.0657
E-mail: techsupp@actiontec.com
Internet: www.actiontec.com/support

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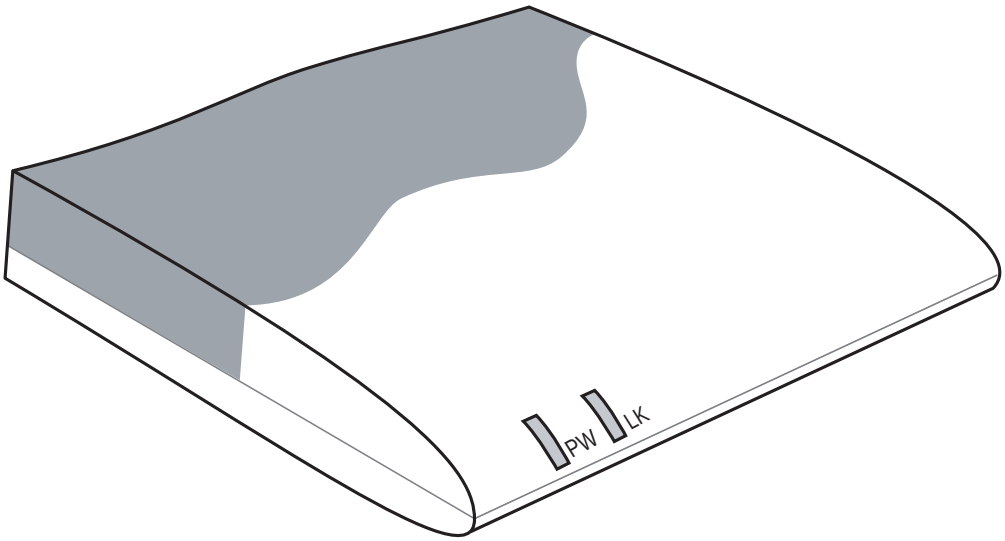
Modem Features

The Modem features two LEDs (lights) on its front panel, and series of ports on its rear panel. We recommend the user become familiar with these features before installing or setting up the Modem.

Front Panel

There are two LEDs (light emitting diodes, or lights) on the front panel of the Modem, as shown in the figure, below.



PWR LED

The PWR (Power) LED glows green when power is supplied to the Modem. When it flashes, the Modem is going through its initialization process.

LK LED

The LK (Link) LED glows green when the DSL connection is active. When it blinks, data is traveling across the connection

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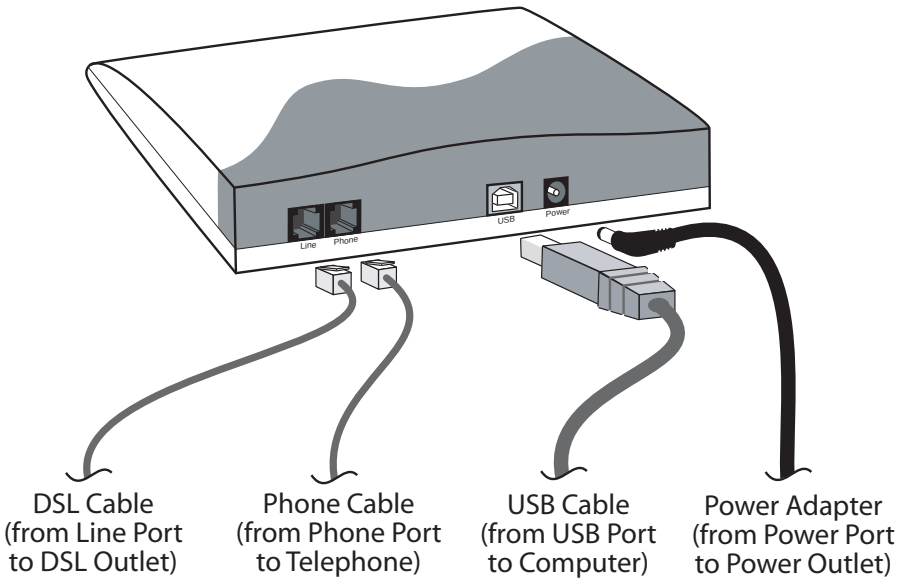
Rear Panel

The Modem has four ports on its rear panel: **Line**, **Phone**, **USB**, and **Power**.


Line
Phone
USB
Power
DSL Cable (from Line Port to DSL Outlet)
Phone Cable (from Phone Port to Telephone)
USB Cable (from USB Port to Computer)
Power Adapter (from Power Port to Power Outlet)

Line Port

The Line port is used to connect the Modem to the DSL outlet.

Phone Port

The Phone port is used to connect a telephone to the Modem.

USB Port

The USB port is used to connect the Modem to a computer.

Power Port

The Power port is used to connect the Modem's power adapter to a wall outlet.

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Setting Up the Modem

2

Setting up the Modem involves two basic steps: connecting a computer to the Modem, and configuring the Modem to activate the DSL connection and load the software drivers.

Connecting a Computer to the Modem

The instructions in this section parallel the steps contained in the *Action*tec Installation Buddy™, which provides a visual guide to connecting the Modem to a computer and installing phone filters. It is recommended the user run the Installation Buddy first, before attempting any other procedures.

To connect the Modem to a computer:

1. Insert the *Action*tec Installation Buddy CD-ROM in the CD-ROM drive of the computer. The Installation Buddy will start automatically. Wait until the following screen appears in your Internet browser window, read the onscreen instructions, then click **Next**.

Actiontec Installation Buddy™
Welcome to the Actiontec Installation Buddy(TM).
Before proceeding, please make sure you have received notification from your Phone Company that your DSL Line is active.
Click Next to begin an on-screen demonstration on how to set up your DSL Modem.
Home DSL Modem
Next
Questions? Call toll-free 1-888-436-0657.
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2. The next window appears. Get the **Modem**, **Power Cord**, **USB Cable**, **DSL Cable**, and **Clear Bag** from the **Quick Start Kit**, then click **Next**.

Actiontec Installation Buddy™
You will need the following items from your DSL Modem Quick Start Kit:
DSL Modem, Clear Bag, Power Cord, USB Cable, and the DSL Cable.
Click Next to continue.
DSL Modem
Clear Bag
Power Cord
USB Cable
DSL Cable
Back
Next
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3. The next window appears. Place the Modem upright in its stand, then click **Next**.

Actiontec Installation Buddy™
Step 1: Take your USB Home DSL Modem out of your DSL Quick Start Kit and remove it from the bag. Place the Modem upright on its stand.
Click Next to continue.
DSL Modem
Back
Next
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4. The next window appears. Take the gray **Power Cord** and plug the smaller end into the **Power Port** on the rear panel of the Modem. Click **Next**.

Actiontec Installation Buddy™
Step 2: Take the gray Power Cord out of the DSL Quick Start Kit.
Step 3: Plug the smaller end of the Power Cord into the Power Port located on the back of the DSL Modem.
Click Next to continue.
Power Port
Power Cord
Power Cord
DSL Modem
Back
Next
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5. The next window appears. Plug the larger end of the **Power Cord** into a Po**wer Outlet** in a wall, then click **Next**.

Actiontec Installation Buddy™
Step 4: Plug the larger end of the Power Cord into a Power Outlet on the wall.
Click Next to continue.
Power Cord
Power Outlet
Back
Next
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6. When the next window appears, confim the **PW** (**Power**) **Light** on the front of the Modem glows solid **green**, **orange**, or **red**. Click **Next**.

Actiontec Installation Buddy™
Step 5: Confirm that the PW (Power) light on the USB Home DSL Modem is SOLID GREEN, ORANGE, or RED.
Click Next to continue.
DSL Modem
Back
Next
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7. Another window appears. Plug one end of the **gray DSL Cable** into the **Line Port** on the rear panel of the Modem, then click **Next**.

Actiontec Installation Buddy™
Step 6: Take the thin gray DSL Cable out of your DSL Quick Start Kit.
Step 7: Plug one end of the DSL Cable into the LINE Jack on the back of the DSL Modem. When you plug in the DSL Cable, the small plastic tab should be on the left side of the Line Jack.
Click Next to continue.
DSL Modem
Line Jack
DSL Cable
DSL Cable
Back
Next
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8. When the next window appears, plug the other end of the **DSL Cable** into the **Wall Jack** closest to your computer, then click **Next**.

Actiontec Installation Buddy™
Step 8: Plug the loose end of the DSL Cable into the Wall Jack closest to your computer.
Click Next to continue.
Phone Jack
DSL Cable
Back
Next
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9. The next window appears. Plug the square end of the **beige USB Cable** into the **USB Port** on the rear panel of the Modem, then click **Next**.

Actiontec Installation Buddy™
Step 9: Take the beige USB Cable out of the DSL Quick Start Kit.
Step 10: Plug the square end of the USB Cable into the SILVER Port on the back of the DSL Modem.
Click Next to continue.
DSL Modem
Silver Port
USB Cable
USB Cable
Back
Next
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10. As shown in the next window, leave the other end of the USB cable unplugged. Click **Next**.

Actiontec Installation Buddy™
Step 11: Leave the other end of the USB Cable on your desktop. You will connect it later.
Click Next to continue.
Back
Next
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11. When the next window appears, read the instructions, then get the **Phone Filters** from the **Clear Bag**. Click **Next**.

Actiontec Installation Buddy™
Phone Filters are connected to all of the Phone Jacks in your home to allow you to talk on the phone and be online at the same time. Every phone in your home with the same phone number as your DSL line will need a Phone Filter.
Get the CLEAR bag and take out the Phone Filters.
(Note: The number and type of Phone Filters included in this kit may vary. It is dependent on your Internet Service Provider.)
Click Next to continue.
Phone Filters
Back
Next
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12. When the next window appears, unplug all **phone cords** from their respective **phone jacks**. Click **Next**.

Actiontec Installation Buddy™
Step 1: Unplug all of the existing Phone Cords from their current Phone Jacks.
(Note: DO NOT unplug the gray DSL Cable from the Phone Jack near your computer.)
Click NEXT to continue.
Phone Jack
Phone Cord
Back
Next
Questions? Call toll-free 1-888-436-0657.
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☞ ***Note***: **Do not** remove the DSL Cable from the phone jack near the computer.

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13. The following window appears. Plug a **phone filter** in every **phone jack**, then click **Next**.

Actiontec Installation Buddy™
Step 2: Plug a Phone Filter into every Phone Jack in your home.
(Note: DO NOT plug a Phone Filter into the Phone Jack on the wall near your computer that you plugged your DSL Cable into.)
Click Next to continue.
Phone Jack
Phone Filter
Back
Next
Questions? Call toll-free 1-888-436-0657.
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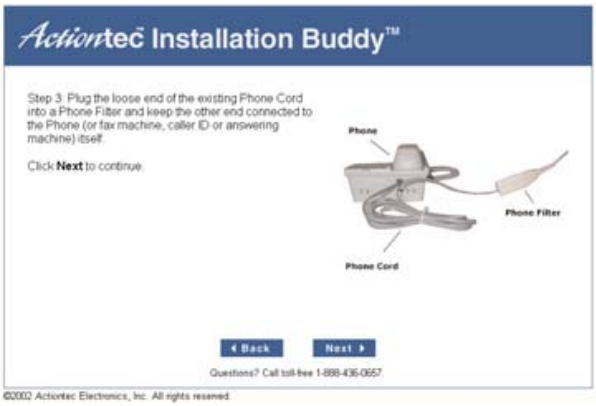
☞ ***Note***: **Do not** install a phone filter on the DSL Cable in the phone jack near the computer.

14. When the next window appears, plug the **phone cords** unplugged in step 12 into the **phone filters** installed in step 13, then click **Next**.


Actiontec Installation Buddy™
Step 3: Plug the loose end of the existing Phone Cord into a Phone Filter and keep the other end connected to the Phone (or fax machine, caller ID or answering machine) itself.
Click Next to continue.
Phone
Phone Filter
Phone Cord
Back
Next
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15. Another window appears. If a phone needs to plugged into the Modem, click **Yes**. If not, click **No**.

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16. If Yes was chosen in step 15, the next window appears. Unplug the **phone cable** connected to the **computer** or nearby **phone jack**. Click **Next**. If No was chosen in step 15, go directly to step 19.

Actiontec Installation Buddy™
Step 4: Find the Phone Cord that is connected to the Telephone next to your Computer. Unplug this Phone Cord from the Phone Jack that it is currently plugged into. Keep the other end connected to the Telephone itself.
(Note: DO NOT unplug the DSL Cable from the Phone Jack near your computer that it is plugged into.)
Click Next to continue.
Phone Jack
Phone Cord
Phone Jack
Computer
Phone Cord
Back
Next
Questions? Call toll-free 1-888-436-0657.
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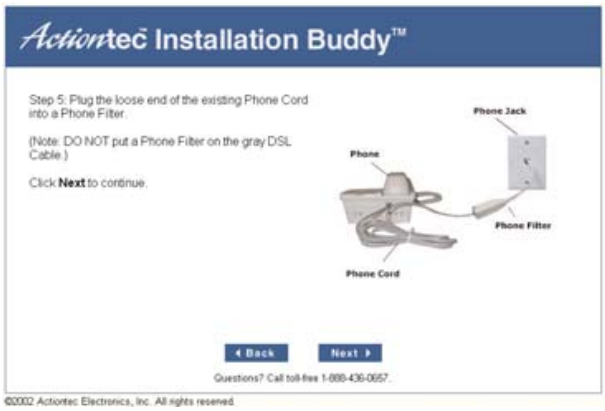
☞ ***Note***: **Do not** remove the DSL Cable from the phone jack near the computer.

17. In the next window, plug a **phone filter** on the loose end of the **phone cord** unplugged in step 16, then click **Next**.


Actiontec Installation Buddy™
Step 5: Plug the loose end of the existing Phone Cord into a Phone Filter.
(Note: DO NOT put a Phone Filter on the gray DSL Cable.)
Click Next to continue.
Phone Jack
Phone
Phone Filter
Phone Cord
Back
Next
Questions? Call toll-free 1-888-436-0657.
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☞ ***Note***: **Do not** install a phone filter on the DSL Cable in the phone jack near the computer.

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18. When the next window appears, plug the **phone filter** into the **Phone Port** on the rear panel of the Modem. The Modem and phone should be connected exactly as shown in the picture, below. Click **Next**.

Actiontec Installation Buddy™
Step 6: Plug the Phone Filter into the Phone Jack on the back of the DSL Modem. DO NOT plug the Phone Filter into the back of your computer.
Make sure that you have connected your Phone to the DSL Modem EXACTLY as shown in this picture.
Click Next to continue.
DSL Modem
Phone
Phone Jack
Phone Filter
Phone Cord
Back
Next
Questions? Call toll-free 1-888-436-0657.
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19. When the next window appears, the Modem is connected to a computer. Click **Finish**.

Actiontec Installation Buddy™
Step 7: Please follow the instructions in the Black Quick Start Guide to configure your DSL Modem. You MUST complete these instructions to ensure that your Modem has been successfully configured.
Click End to close this window.
Black Quick Start Guide
Back
End
Questions? Call toll-free 1-888-436-0657.
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Next, go to "Configuring the Modem" on page 13.

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Configuring the Modem

The following procedure details the steps involved in configuring the Modem to activate the DSL connection and load the software drivers. The Information Worksheet from the Internet Service Provider (ISP) must be available to complete this procedure. If this document has not been received, contact the ISP immediately.

1. Insert the rectangular end of the **USB cable** into a **USB port** on the front or back of the computer.

☞ ***Note***: A USB port is shaped like a thin rectangle about 1/4 inch by 1/2 inch, and may be vertically or horizontally oriented.

2. Power up the computer. After the computer boots, Windows detects the Modem. When the "Add New Hardware Wizard" window appears, select **Search for the best driver for your device (Recommended)** by clicking the circle next to the text, then click **Next**.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

☞ ***Note***: The windows shown in steps 2 through 5 are for Windows 98. Your windows may appear slightly different.

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3. In the next window, select **Specify a location** by clicking in the check box next to the text. Then, enter **`d:\driver`** in the text box (where "d" is the drive letter of the CD-ROM drive). Click **Next**.

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\driver
Browse...
< Back
Next >
Cancel

4. When the next window appears, make sure that the text below "Location of driver" displays the correct location of the driver, then click **Next**.

Add New Hardware Wizard
Windows driver file search for the device:
Actiontec Home DSL Modem
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
D:\DRIVER\TIDSLC32.INF
< Back
Next >
Cancel

5. The final wizard window appears, stating that the software has been installed. Click **Finish**.

Add New Hardware Wizard
Actiontec Home DSL Modem
Windows has finished installing the software that your new hardware device requires.
< Back
Finish
Cancel

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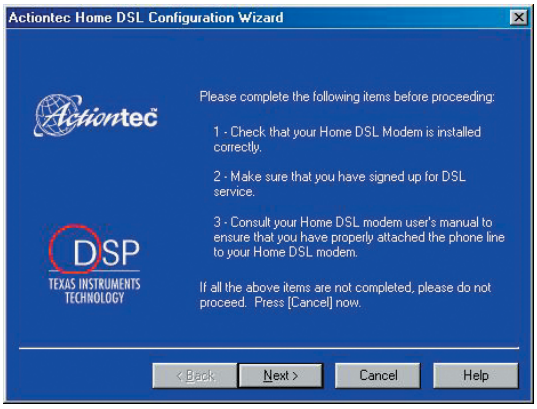
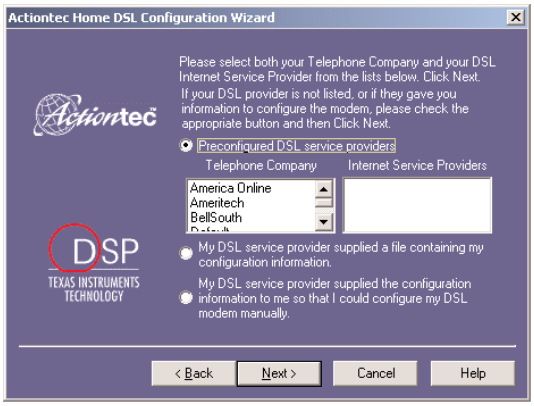
6. The first "Actiontec Home DSL Configuration Wizard" window appears. Read the instructions, then click **Next**.


Actiontec Home DSL Configuration Wizard
Actiontec
DSP
TEXAS INSTRUMENTS TECHNOLOGY
Please complete the following items before proceeding:
1 - Check that your Home DSL Modem is installed correctly.
2 - Make sure that you have signed up for DSL service.
3 - Consult your Home DSL modem user's manual to ensure that you have properly attached the phone line to your Home DSL modem.
If all the above items are not completed, please do not proceed. Press [Cancel] now.
< Back
Next >
Cancel
Help

7. In the next window, select the one of the options by clicking on the circle next to the text.

- Select the first option ("Preconfigured") if your DSL provider is listed in the "Telephone Company" list box. (Also select an "Internet Service Provider," if applicable.)
- Select the second option ("supplied a file") if your DSL provider supplied a data disk containing configuration information.
- Select the last option ("configure my DSL modem manually") if your DSL provider supplied an information worksheet. After selecting an option, click **Next**.


Actiontec Home DSL Configuration Wizard
Actiontec
DSP
TEXAS INSTRUMENTS TECHNOLOGY
Please select both your Telephone Company and your DSL Internet Service Provider from the lists below. Click Next.
If your DSL provider is not listed, or if they gave you information to configure the modem, please check the appropriate button and then Click Next.
Preconfigured DSL service providers
Telephone Company
Internet Service Providers
America Online
Ameritech
BellSouth
My DSL service provider supplied a file containing my configuration information.
My DSL service provider supplied the configuration information to me so that I could configure my DSL modem manually.
< Back
Next >
Cancel
Help

☞ ***Note***: If you selected the first option in step 8, go directly to step 14. If you selected the second option, insert the data disk into the computer, load the settings, then go to step 14.

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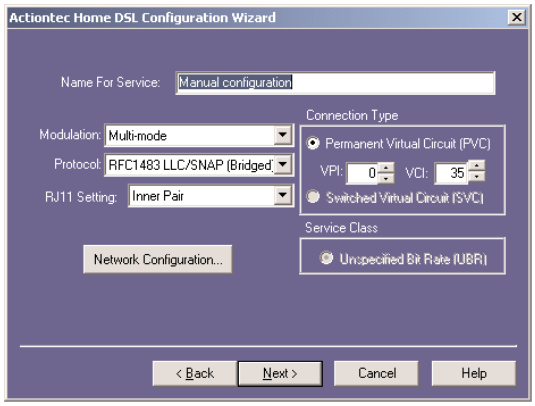
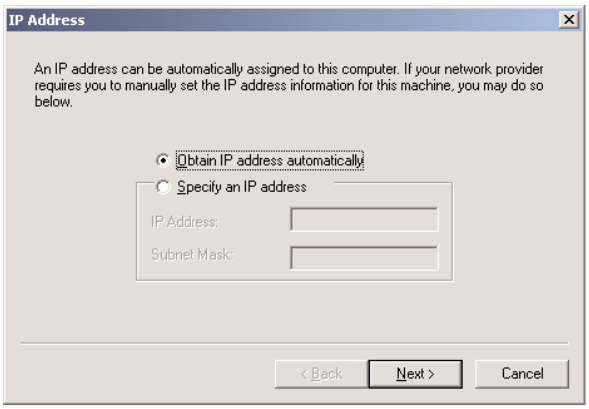
8. If the last option was selected in step 8, use the Information Worksheet provided by the ISP to enter the settings in the next Wizard window, then click **Next**.



9. The "IP Address" window appears. If the DSL provider supplied a specific IP address, click the circle next to "Specify an IP address" and enter the IP address and Subnet Mask address in their respective text boxes.If not given a specific IP address, click the circle next to "Obtain IP address automatically." When finished, click **Next**.


IP Address
An IP address can be automatically assigned to this computer. If your network provider requires you to manually set the IP address information for this machine, you may do so below.
Obtain IP address automatically
Specify an IP address
IP Address:
Subnet Mask:
< Back
Next >
Cancel

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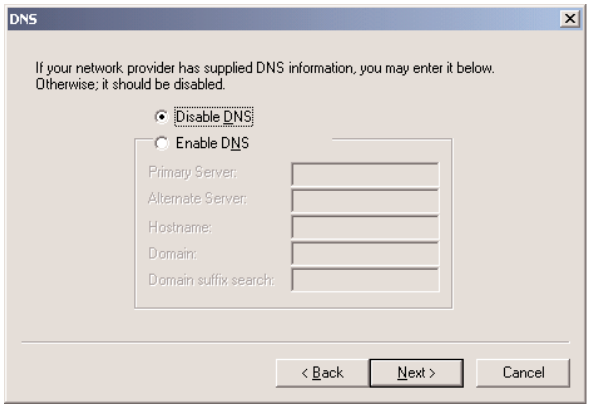
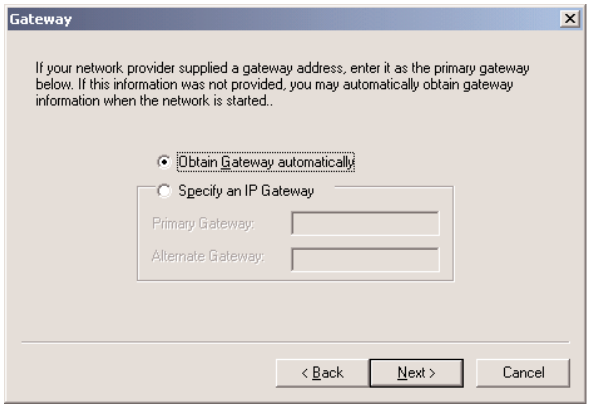
10. The "DNS" window appears. If the DSL provider supplied specific DNS information, click the circle next to "Enable DNS" and enter the information in the proper text boxes. If not given specific DNS information, click the circle next to "Disable DNS." When finished, click **Next**.



11. The "Gateway" window appears. If the DSL provider supplied specific gateway information, click the circle next to "Specify an IP Gateway" and enter the information in the proper text boxes.If not given specific gateway information, click the circle next to "Obtain Gateway automatically." When finished, click **Next**.


Gateway
If your network provider supplied a gateway address, enter it as the primary gateway below. If this information was not provided, you may automatically obtain gateway information when the network is started..
Obtain Gateway automatically
Specify an IP Gateway
Primary Gateway:
Alternate Gateway:
< Back
Next >
Cancel

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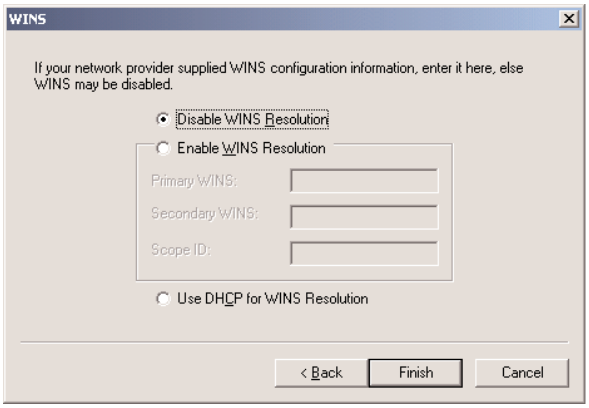
12. The "WINS" window appears. If the DSL provider supplied specific WINS information, click the circle next to "Enable WINS Resolution" and enter the information in the proper text boxes.If not given specific WINS information, click the circle next to "Disable WINS." When finished, click **Next**.



13. The final Wizard windows appears, containing a summary of the configuration settings. Read the instructions, then click **Finish**.

An "Information" window appears while the new configuration is applied and the software drivers are loaded.

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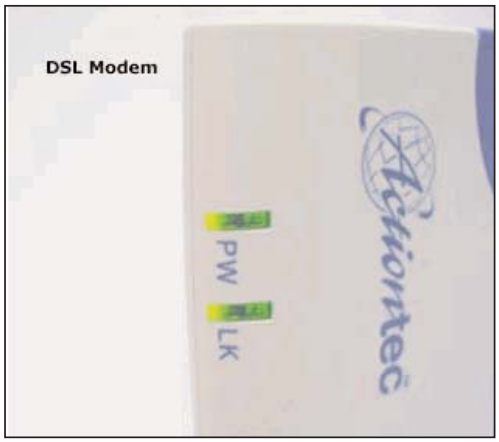
14. Make sure the **PW** (Power) and **LK** (Link) lights on the front of the Modem glow solid green, orange, or red.



The Modem is now ready to use.

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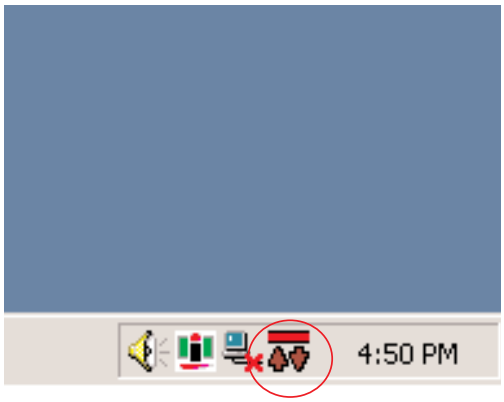
Using the Home DSL System Monitor

3

To check the operation of the *Action*tec USB Home DSL Modem and view its connection status, use the Home DSL System Monitor.

Home DSL Manager Icon

After the Modem has been set up properly (see chapter 2, "Setting Up the Modem," on page 5 for more details), the "*Action*tec Home DSL Manager" icon will appear in the system tray of the computer's desktop (next to the clock in the lower right corner, as shown in the red oval in the figure below).



The icon itself displays some details regarding the connection to the Modem:

Green bar above red/green arrows: indicates the Modem is connected and working properly. The arrows blink green when accessing a Web site and transmitting and receiving data; when they are solid green, the Modem is downloading or uploading larger data files. If the arrows are red, the Modem is connected to the Internet, but not accessing any Web sites.

Yellow bar above red arrows: indicates the Modem is trying to connect to the Internet. This process normally takes less than 10 seconds, unless there is a problem with the phone line or DSL service. If the bar does not turn green after 20 seconds, check all connections to the Modem. If the yellow bar remains visible, contact the Internet Service Provider (ISP).

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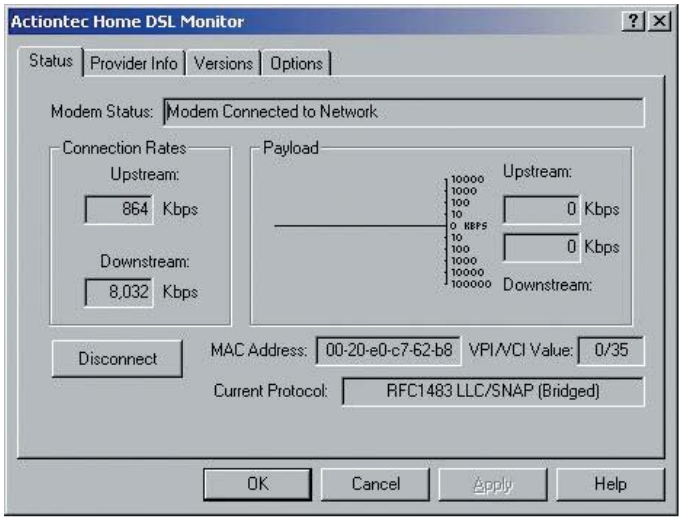
Red bar above red arrows: indicates an error has occurred with the Modem or its software. If this occurs, check all connections to the Modem, and if the problem persists, go to Start, Settings, Control Panel, Device Manager, and check for any yellow exclamation points in the "Modems" section, call *Action*tec Technical Support.

Gray bar above red arrows: indicates the Modem is working properly, but no connection with the ISP has been established. If this condition persists, contact the ISP.

Home DSL Monitor

Double-clicking on the Home DSL Manager icon generates the "Actiontec Home DSL Monitor" window.



The Monitor window contains four tabs: **Status**, **Provider Info**, **Versions**, and **Options**.

Status

Clicking **Status** in the Monitor window brings up the "Status" tab, as shown in the figure above. This tab features statistics and other information regarding the Modem and its connection.

Modem Status

The "Modem Status" text box displays the current status of the Modem connection.

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Connection Rates

The two text boxes in "Connection Rates" section("Upstream" and "Downstream") indicate the speed (in kilobits per second) of the Modem's connection.

Payload

The graph and two text boxes in in the "Payload" section indicate the amount of traffic passing through the Modem.

MAC Address

The "MAC Address" text box displays the MAC (Media Access Control) address of the Modem. This address is unique for every networkable device.

VPI/VCI Value

The "VPI/VCI Value" text box displays the Virtual Path Identifier/Virtual Ciruit Identifier value. This value cannot be changed from here.

Current Protocol

The "Current Protocol" text box displays the network protocol currently used by the Modem.

Disconnect

Clicking the "Disconnect" button disconnects the Modem from the Internet.

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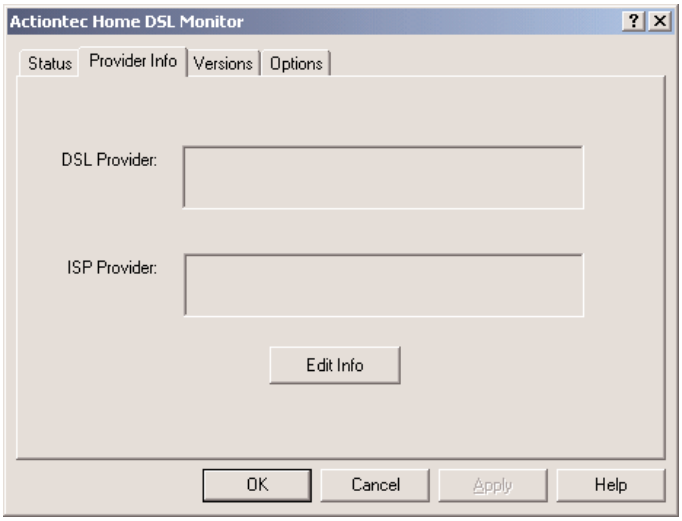
Provider Info

Clicking **Provider Info** in the Monitor window brings up the "Provider Info" tab. This tab features information regarding the Modem's DSL and ISP provider.



DSL Provider

The "DSL Provider" text box dispays the current DSL provider to which the Modem is connected.

ISP Provider

The "ISP Provider" text box dispays the current ISP provider to which the Modem is connected.

Edit Info

Clicking the "Edit Info" button generates an "Information" window. The DSL provider can be changed from this window.

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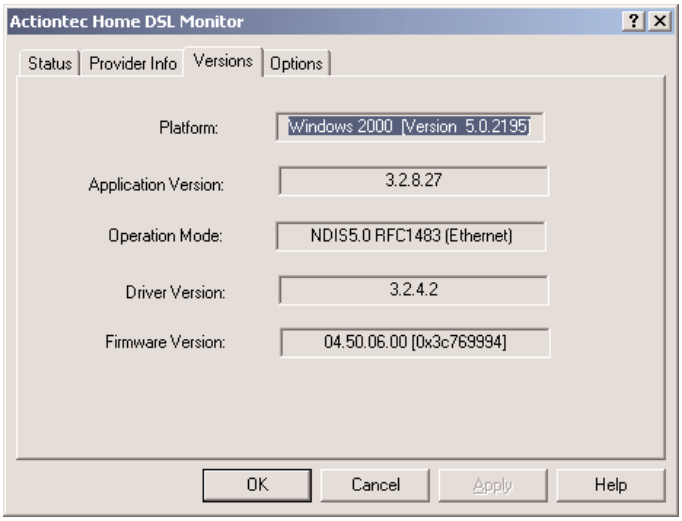
Versions

Clicking **Versions** in the Monitor window brings up the "Versions" tab. This tab features statistics and other information regarding the Modem's software and firware versions.



Platform

The "Platform" text box displays the version of the operating system currently running on the computer connected to the Modem.

Application Version

The "Application Version" text box displays the version of the Home DSL System Monitor currently running on the computer connected to the Modem.

Operation Mode

The "Operation Mode" text box displays the kind of connection (USB, Ethernet) with which the Modem is connected to the computer.

Driver Version

The "Driver Version" text box displays the Modem's software driver version

Firmware Version

The "Firmware Version" text box displays the Modem's firmware version.

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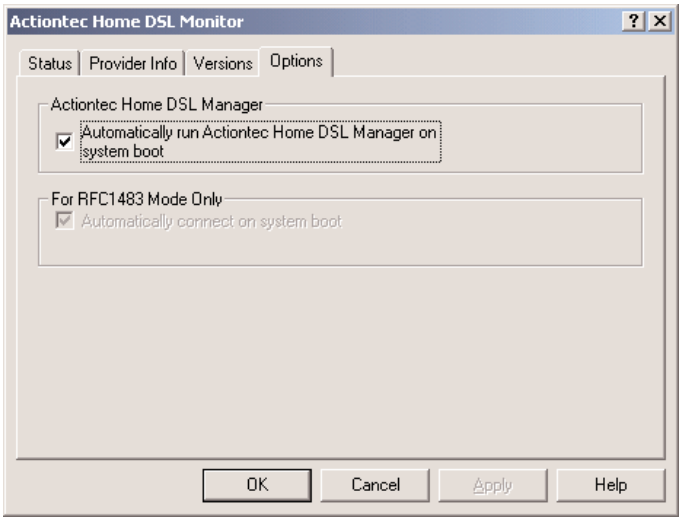
Options

Clicking **Options** in the Monitor window brings up the "Options" tab. This tab features two option check boxes.



Actiontec Home DSL Manager

If a check is displayed in the box next to "Automatically run Actiontec Home DSL Manager on system boot," the Home DSL Manager icon will appear in the system tray when the computer boots. If no check is displayed, the icon will not appear, and the Monitor window must be accessed by clicking Start, Programs, Actiontec Home DSL, and Actiontec Home DSL Manager. After rebooting, the icon will reappear in the system tray.

For RFC1483 Mode Only

This check box should only be accessed if instructed to do so by the ISP.

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Troubleshooting and FAQs

4

This chapter contains a list of solutions for problems the user may encounter while using the Modem, as well as answers to some of the more frequently asked questions about the Modem.

I have more than four phones in my home. Where can I get more microfilters?

The USB Home DSL Modem package includes four microfilters. If more are needed, contact a local electronics retailer.

It has been a while since I signed up for DSL service with my Internet Service Provider and my service still has not been activated. What should I do?

Contact the Internet Service Provider to find out about the status of the DSL service.

My computer cannot find my USB Home DSL Modem.

If the modem installation has been performed and the computer is not finding the modem, check all connections, then click **Start** on the computer's desktop. Select **Settings**, **Control Panel**, **System**, and **Device Manager**. If you see a yellow exclamation mark or red "x" next to the "Home DSL Modem" under "Network Adapters" in the "Device Manager" window, contact *Action*tec Technical Support.

Can I share my DSL line with more than one computer in my home?

Yes, but only with an Ethernet card.

Can I talk on the phone while being connected to the Internet?

Yes.

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Can I fax over DSL?

No. You still need to send your faxes over your regular phone line using an analog modem or fax machine.

Do I have to pay my phone company and my ISP for DSL service?

No. By signing up with an Internet Service Provider for DSL service, the only DSL bill you will pay is to your ISP.

How do I know my modem is functioning properly?

See chapter 3, "Using the Home DSL System Monitor," for more information about monitoring the operation and connection status of the Modem.

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Reference

This appendix contains information about various topics, including accessing information about your Windows computer and wiring under special circumstances.

Locating Computer Information

The following procedure is valid for Windows 98, 98 SE, Me, 2000, and XP.

1. From the desktop, right-click on **My Computer**.
2. Select **Properties** from the menu that appears.
3. When the "System Properties" window appears, select **General**.
   The version of the operating system, processor type, and amount of RAM installed in the computer are listed here.
4. Close the System Properties window.
5. From the desktop, double-click on **My Computer**.
6. Right-click the icon representing your hard disk. For example: Local Disk (C:).
   Some computers have multiple hard disks.
7. From the menu that appears, select **Properties**.
8. When the window appears, select **General**.
9. The Free space value is the available space on the hard disk.
10. Close all windows.

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Locating Windows Operating System Files

If the operating system files reside on the hard drive of the computer, follow the instructions below to locate them. If the files are not on the hard drive, they must be loaded from the installation disks.

Windows 98, 98 SE

1. From the desktop, click **Start**.
2. When the menu appears, select **Find,** then **Files or Folders**.
3. When the "Find: All Files" window appears, select **Name & Location**.
4. In the "Named" text box, enter:
   `*.cab`
5. Click the **down arrow** next to the "Look In" text box and select **My Computer** from the list that appears.
6. Click **Find Now**.
7. When the search is complete, note the directory path that appears most often in the "In Folder" column. For example: C:\WINDOWS \SYSTEM.
8. The Windows operating system files are located in this directory. Write down the directory path for future reference.
9. Close the Find: All Files window.

Windows Me, 2000

1. From the desktop, click **Start**.
2. Select **Search**, then **For Files and Folders**.

3a. ***Windows Me***: The "Search Results" window appears. In the "Search for files or folders named" text box, enter:
`*.cab`

3b. ***Windows 2000***: The "Search Results" window appears. In the "Search for files or folders named" text box, enter:
`i386`

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4. Click the **down arrow** next to the "Look in" text box and select **My Computer** from the list that appears.

5. Click **Search Now**.

6a. ***Windows Me***: When the search is complete, note the directory path that appears most often in the "In Folder" column. For example: C:\WINDOWS \OPTIONS\INSTALL.

6b. ***Windows 2000***: When the search is complete, note the directory path that appears most often in the "In Folder" column. For example: C:\WINNT \Driver Cache.

7. The Windows operating system files are located in this directory. Write down the directory path for future reference.

8. Close the Search Results window.

Windows Me, 2000

1. From the desktop, click **Start**.

2. Select **Search**, then **For Files and Folders**.

3. The "Search Results" window appears. In the panel at left titled "What do you want to search for?", click **All files and folders**.

4. Another panel, titled "Search by any or all of the criteria below" appears. In the "Look in" text box, click the **down arrow** and select **My Computer** from the menu that appears.

5. In the "All or part of the file name" text box, enter:

```
i386
```

6. Click **Search**.

7. When the search is complete, note the directory path that appears most often in the "In Folder" column. For example: C:\WINDOWS \Driver Cache\.

8. The Windows operating system files are located in this directory. Write down the directory path (followed by "\i386") for future reference.

9. Close the Search Results window.

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Specifications

B

General

Model Number

UD800TP (USB Home DSL Modem)

Dimensions

Length: 5.375 in.
Width: 4.35 in
Height: 1.25 in

Standards

ANSI specification T1.413 issue 2
G.992.1 (G.dmt)
G.992.2 (G.lite)

WAN

Full-rate DSL modem

Speed

Up to 8 Mbps downstream, 640 Kbps upstream

Cabling Type

Phone
USB

LED Indicators

PWR (Power), LK (Link)

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Environmental

Power Input

External, +5V +- 5% @ 1.5 A

Certifications

FCC Class C (part 15, 68)
UL

Operating Temperature

0º C to 40º C (32ºF to 104ºF)

Storage Temperature

-20ºC to 70ºC (-4ºF to 158ºF)

Operating Humidity

10% to 85% non-condensing

Storage Humidity

5% to 90% non-condensing

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Glossary

C

Access Point

A device that allows wireless clients to connect to one another. An access point can also act as a bridge between wireless clients and a "wired" network, such as an Ethernet network. Wireless clients can be moved anywhere within the coverage area of the access point and remain connected to the network. If connected to an Ethernet network, the access point monitors Ethernet traffic and forwards appropriate Ethernet messages to the wireless network, while also monitoring wireless traffic and forwarding wireless client messages to the Ethernet network.

Client

A desktop or mobile computer connected to a network.

DHCP (Dynamic Host Configuration Protocol)

A protocol designed to automatically assign an IP address to every computer on a network.

DNS (Domain Name System) Server Address

Allows Internet host computers to have a domain name and one or more IP addresses. A DNS server keeps a database of host computers and their respective domain names and IP addresses so that when a user enters a domain name into a Web browser, the user is sent to the proper IP address. The DNS server address used by computers on the home network corresponds to the location of the DNS server the ISP has assigned.

DSL (Digital Subscriber Line) Modem

A modem that uses existing phone lines to transmit data at high speeds.

Encryption

Provides security for wireless data transmissions.

ESSID (Extended Service Set Identifier)

A unique identifier for a wireless network.

Ethernet Network

A standard wired network configuration using cables and hubs.

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Firewall

Prevents users outside the network from accessing and/or damaging files or computers on the network.

Gateway

A device that manages the data traffic of a network, as well as data traffic to and from the Internet.

IP (Internet Protocol) Address

A series of four numbers separated by periods identifying a unique Internet computer host.

ISP Gateway Address

An IP address for the Internet gateway. This address is only required when using a cable or DSL modem.

ISP (Internet Service Provider)

A business that connects individuals or businesses to the Internet.

LAN (Local Area Network)

A group of computers and devices connected together in a relatively small area (such as a house or an office). A home network is considered a LAN.

MAC (Media Access Control) Address

The hardware address of a device connected to a network.

NAT (Network Address Translation)

Allows all computers on a network to use one IP address, enabling access to the Internet from any computer on the the network without purchasing more IP addresses from an ISP.

PC Card

An Ethernet adapter connected to the PCMCIA slot in a computer, enabling the communication with the Gateway.

PPPoE (Point-to-Point Protocol over Ethernet)

A method of secure data transmission.

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Subnet Mask

A set of four numbers configured like an IP address used to create IP address numbers used within a particular network only.

TCP/IP (Transmission Control Protocol/Internet Protocol)

The standard protocol for data transmission over the Internet.

WAN (Wide Area Network)

A network connecting computers located in separate areas, (i.e., different buildings, cities, countries). The Internet is a WAN.

WECA (Wireless Ethernet Compatibility Alliance)

An industry group that certifies cross-vender interoperability and compatibility of IEEE 802.11b wireless networking products and promotes the standard for enterprise, small business, and home environments.

WLAN (Wireless Local Area Network)

A group of computers and other devices connected wirelessly in a small area.

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Notices

Regulatory Compliance Notices

Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by implementing one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected;
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by A*ction*tec Electronics, Inc., may void the user's authority to operate the equipment.

Declaration of conformity for products marked with the FCC logo – United States only.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference;

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2. This device must accept any interference received, including interference that may cause unwanted operation.

☞ ***Note***: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

For questions regarding your product or the FCC declaration, contact:

*Action*tec Electronics, Inc.
760 North Mary Ave.
Sunnyvale, CA 94086
United States
Tel: (408) 752-7700
Fax: (408) 541-9005

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Return the product to:
(In the United States)
*Action*tec Electronics, Inc.
760 North Mary Avenue
Sunnyvale, CA 94085

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